

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Status of the claims

Claims 1 and 11 are currently amended. No new matter is added.

Claim rejections – 35 USC § 102

Claims 1, 3, 4, 8, and 11-15 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 3,612,742 (Hereinafter Snowden). The rejection is respectfully traversed.

Claim 1, as amended, recites, among other features, a normal-conducting metal layer is formed between said electric insulating layer and said second superconducting layer; any volume between the first superconducting layer and said electrical insulating layer is free of the normal conducting metal layer; and any volume between the second superconducting layer and an outer layer is free of the normal conducting metal layer. Snowden fails to recite at least the above recited features.

Instead Snowden discloses a nonsuperconducting layer 82 or normal conductive layer 72 formed around the outer circumference of each of thin layers 80. Snowden therefore does not disclose the above features of the present invention. In Snowden, currents will more easily flow through nonsuperconducting layer 82 or normally conductive layer 72 than thin layers 80, because in the cable core, a more inner layer has a greater inductance. As a result, significantly large AC losses can occur.

Concluding remarks

After amending the claims as set forth above, claims 1, 3, 4, 8 and 11-15 are pending in this application.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

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Respectfully submitted,

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